Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 10/848,755

1 _____ Wrapped Nucleics
Wrapped Aminos
The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 _____ Invalid Line Length
The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 _____ Misaligned Amino Numbering
The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4 _____ Non-ASCII
The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 _____ Variable Length
Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 _____ PatentIn 2.0 "bug"
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7 _____ Skipped Sequences (OLD RULES)
Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8 _____ Skipped Sequences (NEW RULES)
Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence
<210> sequence id number
<400> sequence id number
000

9 _____ Use of n's or Xaa's (NEW RULES)
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 _____ Invalid <213> Response
Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species) <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11 _____ Use of <220>
Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12 _____ PatentIn 2.0 "bug"
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 _____ Misuse of n/Xaa
"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid
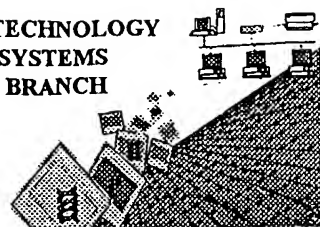
RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _10|848 755_

Source: _IFWO_

Date Processed by STIC: _5/25/04_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.2 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**http://www.uspto.gov/ebc/efs/downloads/documents.htm**> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04): U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

IFWO

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 3 <110> APPLICANT: Mao, Mao
 5 <120> TITLE OF INVENTION: HUMAN DIAPHANOUS-3 GENE AND METHODS OF USE THEREFOR
 7 <130> FILE REFERENCE: 9301-196-999
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C--> ` 9 <140> CURRENT APPLICATION NUMBER: US/10/848,755`
C--> `10 <141> CURRENT FILING DATE: 2004-05-18`
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13 <151> PRIOR FILING DATE: 2003-05-11
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PATENT APPLICATION: US/10/848,755   TIME: 10:34:21

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PATENT APPLICATION: US/10/848,755   TIME: 10:34:21

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PATENT APPLICATION: **US/10/848,755**   TIME: 10:34:21

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Output Set: **N:\CRF4\05252004\J848755.raw**

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316 Ser Lys Met Pro Arg Arg Lys Gly Pro Gln His Pro Pro Pro Ser
317         35                  40                  45
320 Gly Pro Glu Glu Pro Gly Glu Lys Arg Pro Lys Phe His Leu Asn Ile
321     50                  55                  60
324 Arg Thr Leu Thr Asp Asp Met Leu Asp Lys Phe Ala Ser Ile Arg Ile
325 65                  70                  75                  80
328 Pro Gly Ser Lys Lys Glu Arg Pro Pro Leu Pro Asn Leu Lys Thr Ala
329             85                  90                  95
332 Phe Ala Ser Ser Asp Cys Ser Ala Ala Pro Leu Glu Met Met Glu Asn
333             100                 105                 110
336 Phe Pro Lys Pro Leu Ser Glu Asn Glu Leu Leu Glu Leu Phe Glu Lys
337         115                 120                 125
340 Met Met Glu Asp Met Asn Leu Asn Glu Asp Lys Lys Ala Pro Leu Arg
341     130                 135                 140
344 Glu Lys Asp Phe Ser Ile Lys Lys Glu Met Val Met Gln Tyr Ile Asn
345 145                 150                 155                 160
348 Thr Ala Ser Lys Thr Gly Ser Leu Lys Arg Ser Arg Gln Ile Ser Pro
349             165                 170                 175
352 Gln Glu Phe Ile His Glu Leu Lys Met Gly Ser Ala Asp Glu Arg Leu
353             180                 185                 190
356 Val Thr Cys Leu Glu Ser Leu Arg Val Ser Leu Thr Ser Asn Pro Val
357         195                 200                 205
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361     210                 215                 220
364 Ile Leu Glu Lys Leu Ile Ser Gly Lys Ile Gln Glu Lys Val Val Lys
365 225                 230                 235                 240
368 Lys Asn Gln His Lys Val Ile Gln Cys Leu Lys Ala Leu Met Asn Thr
369             245                 250                 255
372 Gln Tyr Gly Leu Glu Arg Ile Met Ser Glu Glu Arg Ser Leu Ser Leu
373             260                 265                 270
376 Leu Ala Lys Ala Val Asp Pro Arg His Pro Asn Met Met Thr Asp Val
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(handwritten annotation, circling "Add CDS" on line 304): —Invalid Response, pls see item #10 on Error Summary sheet.

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393                340                345                350
396 Asp Asp Leu Asp Phe Arg Leu His Ile Arg Asn Glu Phe Met Arg Cys
397                355                360                365
400 Gly Leu Lys Glu Ile Leu Pro Asn Leu Lys Cys Ile Lys Asn Asp Gly
401     370                375                380
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421     450                455                460
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425 465                470                475                480
428 Tyr Arg Lys Arg Leu Asp Leu Asp Leu Thr Gln Phe Val Asp Ile Cys
429                485                490                495
432 Ile Asp Gln Ala Lys Leu Glu Glu Phe Glu Glu Lys Ala Ser Glu Leu
433                500                505                510
436 Tyr Lys Lys Phe Glu Lys Glu Phe Thr Asp His Gln Glu Thr Gln Ala
437     515                520                525
440 Glu Leu Gln Lys Lys Glu Ala Lys Ile Asn Glu Leu Gln Ala Glu Leu
441     530                535                540
444 Gln Ala Phe Lys Ser Gln Phe Gly Ala Leu Pro Ala Asp Cys Asn Ile
445 545                550                555                560
448 Pro Leu Pro Pro Ser Lys Glu Gly Gly Thr Gly His Ser Ala Leu Pro
449                565                570                575
452 Pro Pro Pro Pro Leu Pro Ser Gly Gly Gly Val Pro Pro Pro Pro Pro
453                580                585                590
456 Pro Pro Pro Pro Pro Pro Leu Pro Gly Met Arg Met Pro Phe Ser Gly
457     595                600                605
460 Pro Val Pro Pro Pro Pro Pro Leu Gly Phe Leu Gly Gly Gln Asn Ser
461     610                615                620
464 Pro Pro Leu Pro Ile Leu Pro Phe Gly Leu Lys Pro Lys Lys Glu Phe
465 625                630                635                640
468 Lys Pro Glu Ile Ser Met Arg Arg Leu Asn Trp Leu Lys Ile Arg Pro
469                645                650                655
472 His Glu Met Thr Glu Asn Cys Phe Trp Ile Lys Val Asn Glu Asn Lys
473                660                665                670
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 05/25/2004
PATENT APPLICATION: **US/10/848,755**   TIME: 10:34:22

Input Set : **D:\9301196999.txt**
Output Set: **N:\CRF4\05252004\J848755.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:118; N Pos. 1246,1256
Seq#:130; N Pos. 4,36,50,56,60
Seq#:171; N Pos. 2741
Seq#:178; N Pos. 13

VERIFICATION SUMMARY　　　　　　　　　DATE: 05/25/2004
PATENT APPLICATION:　**US/10/848,755**　　TIME: 10:34:22

Input Set : **D:\9301196999.txt**
Output Set: **N:\CRF4\05252004\J848755.raw**

```
L:9 M:270 C: Current Application Number differs, Replaced Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:7666 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:118 after pos.:1200
L:8653 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:130 after pos.:0
L:13161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:171 after pos.:2700
L:13680 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:178 after pos.:0
```